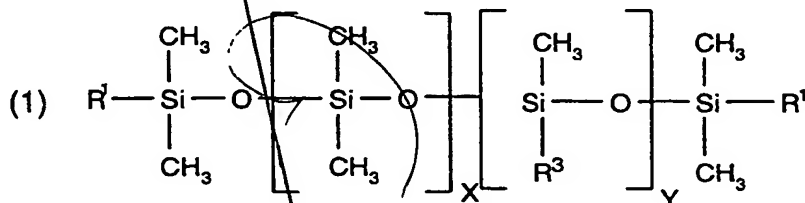


WHAT IS CLAIMED IS:

1. A method of use of a softener composition for enhancing the abrasion resistance of textile fibre materials in domestic applications, which softener composition comprises:

- A) a fabric softener;
- B) at least one additive selected from the group consisting of
 - a) a polyethylene, or a mixture thereof,
 - b) a fatty acid alkanolamide, or a mixture thereof,
 - c) a polysilicic acid, or a mixture thereof, and
 - d) a polyurethane, or a mixture thereof; and
- C) a dispersed polyorganosiloxane of formula (1)

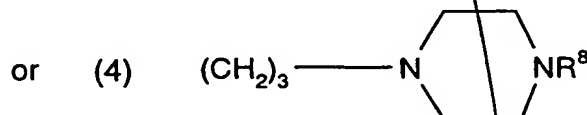
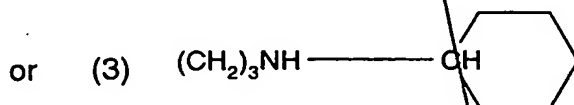
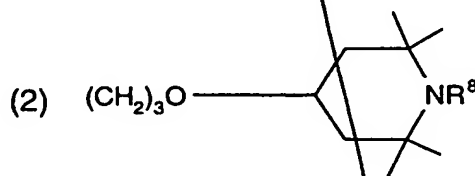


wherein

R¹ is OH, OR² or CH₃

R² is CH₃ or CH₂CH₃

R³ is C₁-C₂₀alkoxy, CH₃, CH₂CHR⁴CH₂NHR⁵, or CH₂CHR⁴CH₂N(COCH₃)R⁵



R⁴ is H or CH₃

R^5 is H, $CH_2CH_2NHR^6$, $C(=O)-R^7$ or $(CH_2)_z-CH_3$

z is 0 to 7

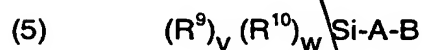
R^6 is H or $C(=O)-R^7$

R^7 is CH_3 , CH_2CH_3 or $CH_2CH_2CH_2OH$

R^8 is H or CH_3

the sum of X and Y is 40 to 4000;

or a dispersed polyorganosiloxane which comprises at least one unit of the formula (5)



wherein

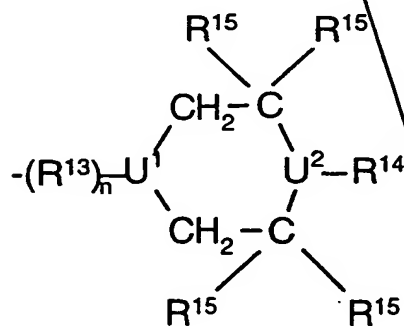
R^9 is CH_3 , CH_3CH_2 or Phenyl

R^{10} is $-O-Si$ or $-O-R^9$

the sum of v and w equals 3, and v does not equal 3

$A = -CH_2CH(R^{11})(CH_2)_k$

$B = -NR^{12}((CH_2)_l-NH)_mR^{12}$, or



(6)

n is 0 or 1

when n is 0, U^1 is N, when n is 1, U^1 is CH

l is 2 to 8

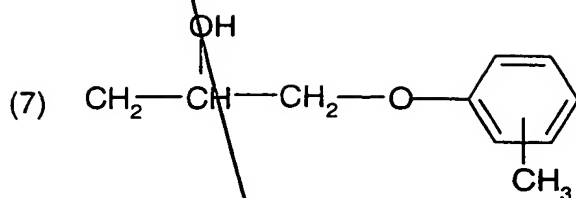
k is 0 to 6

m is 0 to 3

R^{11} is H or CH_3

R^{12} is H, $C(=O)-R^{16}$, $CH_2(CH_2)_pCH_3$ or

- 39 -



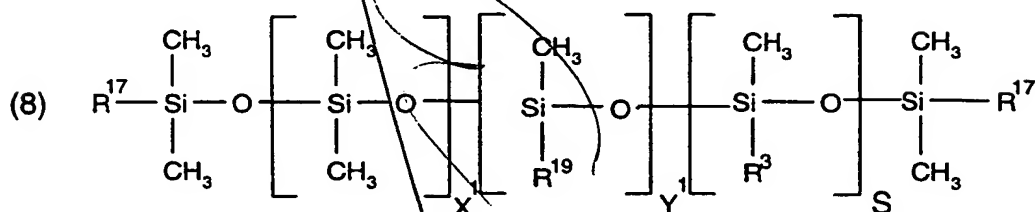
p is 0 to 6

 R^{13} is NH, O, $\text{OCH}_2\text{CH}(\text{OH})\text{CH}_2\text{N}(\text{Butyl})$, $\text{OOCN}(\text{Butyl})$ R^{14} is H, linear or branched C_1 - C_4 alkyl, Phenyl or $\text{CH}_2\text{CH}(\text{OH})\text{CH}_3$ R^{15} is H or linear or branched C_1 - C_4 alkyl R^{16} is CH_3 , CH_2CH_3 or $(\text{CH}_2)_q\text{OH}$

q is 1 to 6

 U^2 is N or CH;

or a dispersed polyorganosiloxane of the formula (8)



wherein

 R^3 is as previously defined R^{17} is OH, OR^{18} or CH_3 R^{18} is CH_3 or CH_2CH_3 R^{19} is $\text{R}^{20} - (\text{EO})_m - (\text{PO})_n - \text{R}^{21}$

m is 3 to 25

n is 0 to 10

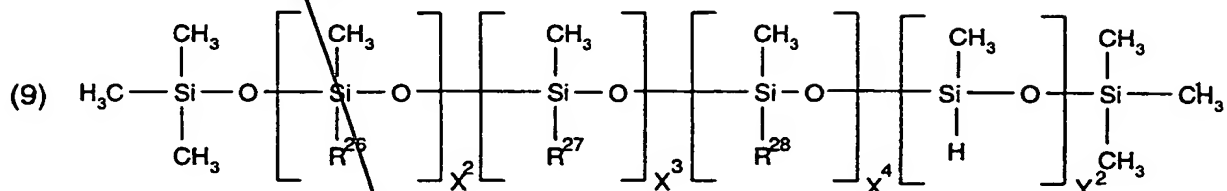
 R^{20} is the direct bond or $\text{CH}_2\text{CH}(\text{R}^{22})(\text{CH}_2)_p\text{R}^{23}$

p is 1 to 4

 R^{21} is H, R^{24} , $\text{CH}_2\text{CH}(\text{R}^{22})\text{NH}_2$ or $\text{CH}(\text{R}^{22})\text{CH}_2\text{NH}_2$ R^{22} is H or CH_3 R^{23} is O or NH R^{24} is linear or branched C_1 - C_8 alkyl or $\text{Si}(\text{R}^{25})_3$ R^{25} is R^{24} , OCH_3 or OCH_2CH_3 EO is $-\text{CH}_2\text{CH}_2\text{O}-$

PO is $-\text{CH}(\text{CH}_3)\text{CH}_2\text{O}-$ or $-\text{CH}_2\text{CH}(\text{CH}_3)\text{O}-$
 the sum of X_1, Y_1 and S is 20 to 1500;

or a dispersed polyorganosiloxane of the formula (9)



wherein

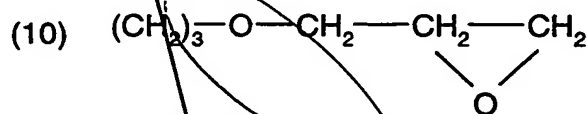
R^{26} is linear or branched $\text{C}_1 - \text{C}_{20}$ alkoxy, $\text{CH}_2\text{CH}(\text{R}^4)\text{R}^{29}$

R^4 is as previously defined

R^{29} is linear or branched $\text{C}_1 - \text{C}_{20}$ alkyl

R^{27} is aryl, aryl substituted by linear or branched $\text{C}_1 - \text{C}_{10}$ alkyl, linear or branched $\text{C}_1 - \text{C}_{20}$ alkyl substituted by aryl or aryl substituted by linear or branched $\text{C}_1 - \text{C}_{10}$ alkyl

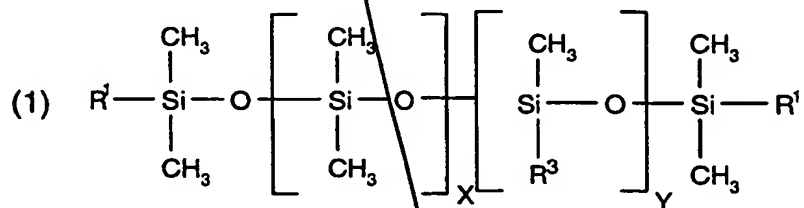
R^{28} is



the sum of X^2, X^3, X^4 and Y^2 is 20 to 1500, wherein X^2, X^4 and Y^2 may be independently of each other 0;

or a mixture thereof.

2. A method of use according to claim 1 wherein the polyorganosiloxane is of formula (1):



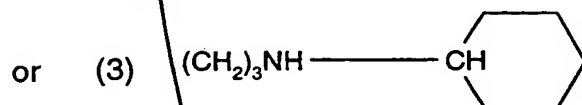
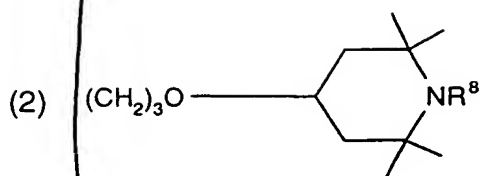
wherein

R^1 is OH, OR^2 or CH_3

R^2 is CH_3 or CH_2CH_3

R^3 is C_1-C_{20} alkoxy, CH_3 , $\text{CH}_2\text{CHR}^4\text{CH}_2\text{NHR}^5$, or

- 41 -



R^4 is H or CH_3

R^5 is H, $\text{CH}_2\text{CH}_2\text{NHR}^6$, $\text{C}(=\text{O})-\text{R}^7$

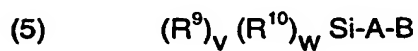
R^6 is H or $\text{C}(=\text{O})-\text{R}^7$

R^7 is CH_3 , CH_2CH_3 or $\text{CH}_2\text{CH}_2\text{CH}_2\text{OH}$

R^8 is H or CH_3

the sum of X and Y is 40 to 1500

or a dispersed polyorganosiloxane which comprises at least one unit of the formula (5);



wherein

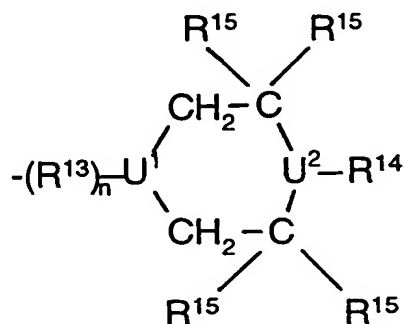
R^9 is CH_3 , CH_3CH_2

R^{10} is $-\text{O}-\text{Si}$ or $-\text{O}-\text{R}^9$

the sum of v and w equals 3, and v does not equal 3

$\text{A} = -\text{CH}_2\text{CH}(\text{R}^{11})(\text{CH}_2)_k$

$\text{B} =$



n is 1

U¹ is CH

k is 0 to 6

R¹¹ is H or CH₃

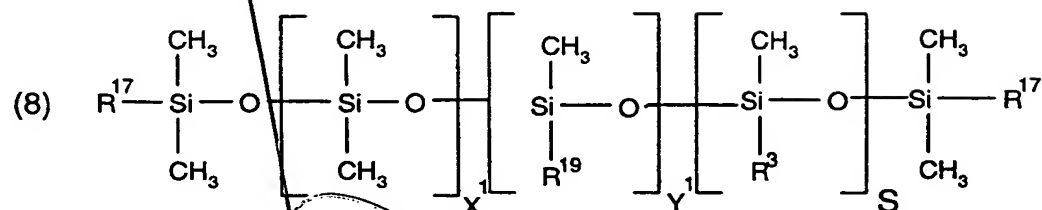
R¹³ is OOCN(Butyl)

R¹⁴ is H, linear C₁-C₄ alkyl, Phenyl

R¹⁵ is H or linear C₁-C₄ alkyl

U² is N

or a dispersed polyorganosiloxane of the formula (8);



wherein

R³ is as previously defined

R¹⁷ is OH, OR¹⁸ or CH₃

R¹⁸ is CH₃ or CH₂CH₃

R¹⁹ is R²⁰-(EO)_m-(PO)_n-R²¹

m is 3 to 25

n is 0 to 10

R²⁰ is the direct bond or CH₂CH(R²²)(CH₂)_pR²³

p is 1 to 4

R²¹ is H, R²⁴, CH₂CH(R²²)NH₂ or CH(R²²)CH₂NH₂

R²² is H or CH₃

R²³ is O or NH

R²⁴ is linear or branched C₁-C₃ alkyl or Si(R²⁵)₃

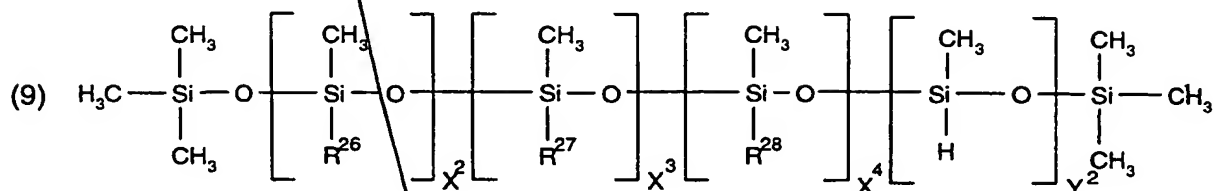
R²⁵ is R²⁴, OCH₃ or OCH₂CH₃

EO is -CH₂CH₂O-

PO is -CH(CH₃)CH₂O- or -CH₂CH(CH₃)O-

the sum of X₁, Y₁ and s is 40 to 1500

or a dispersed polyorganosiloxane of the formula (9);



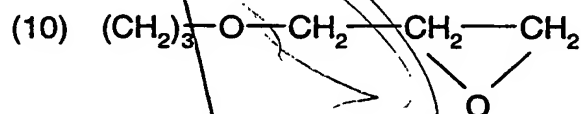
R^{26} is linear $\text{C}_1 - \text{C}_{20}$ alkoxy,

R^4 is as previously defined

R^{29} is linear $\text{C}_1 - \text{C}_{20}$ alkyl

R^{27} is, $\text{CH}_2\text{CH}(\text{R}^4)\text{Phenyl}$

R^{28} is



the sum of X^2 , X^3 , X^4 and Y^2 is 40 to 1500, wherein X^3 , X^4 and Y^2 may be independently of each other 0;

or a mixture thereof.

3. A method of use according to claim 1 or 2 wherein a polyorganosiloxane of formula (1) is used, wherein

R^1 is OH or CH_3 ,

R^3 is CH_3 , $\text{C}_{10}-\text{C}_{20}$ alkoxy or $\text{CH}_2\text{CHR}^4\text{CH}_2\text{NHR}^5$,

R^4 is H,

R^5 is H or $\text{CH}_2\text{CH}_2\text{NHR}^6$,

R^6 is H or $\text{C}(=\text{O})-\text{R}^7$, and

R^7 is CH_3 , CH_2CH_3 or especially $\text{CH}_2\text{CH}_2\text{CH}_2\text{OH}$.

4. A method of use according to claim 1 or 2 wherein a polyorganosiloxane of formula (8) is used, wherein

R^3 is CH_3 , $\text{C}_{10}-\text{C}_{20}$ alkoxy or $\text{CH}_2\text{CHR}^4\text{CH}_2\text{NHR}^5$,

R^4 is H,

R^5 is H or $\text{CH}_2\text{CH}_2\text{NHR}^6$,

R^6 is H or $C(=O)-R^7$,
 R^7 is CH_2CH_3 , $CH_2CH_2CH_2OH$ or especially CH_3 , and
 R_{17} is CH_3 or OH.

5. A method of use according to claim 1 or 2 wherein a polyorganosiloxane of formula (9) is used, wherein

R^{26} is $CH_2CH(R^4)R^{29}$,
 R^4 is H, and
 R^{27} is 2-phenyl propyl.

6. A method of use according to any of claims 1 to 5 wherein the composition is a liquid aqueous composition.

7. A method of use according to any of claims 1 to 5 wherein the composition is used in a tumble dryer sheet composition.

8. A method of use according to any of claims 1 to 7 in which the polyorganosiloxane is nonionic or cationic.

9. A method of use according to any of claims 1 to 8 in which the composition has a solids content of 5 to 70 % at a temperature of 120°C.

10. A method of use according to any of claims 1 to 9 in which the composition contains a water content of 25 to 90 % by weight based on the total weight of the composition.

11. A method of use according to any of claims 1 to 10 in which the composition has a pH value from 2 to 7.

12. A method of use according to any of claims 1 to 11 in which the nitrogen content of the aqueous emulsion due to the polyorganosiloxane is from 0 to 0.25 % with respect to the silicon content.

13. A method of use according to any of claims 1 to 12 wherein the composition comprises a polyethylene, a fatty acid alkanolamide or a polyurethane.

14. A method of use according to any of claims 1 to 13 wherein the composition comprises a polyethylene or a fatty acid alkanolamide.

15. A method of use according to any of claims 1 to 14 wherein the composition comprises a fatty acid alkanolamide.

16. A method of use according to any of claims 1 to 14 wherein the composition comprises a polyethylene.

17. A method of use according to any of claims 1 to 16 wherein the composition is prepared by mixing a preformulated fabric softener with an emulsion comprising the polyorganosiloxane and the additive

18. A method of use according to any of claims 1 to 17 wherein the composition has a clear appearance.

19. A method of use according to any of claims 1 to 18 in which the composition comprises:

- a) 0.01 to 70 % by weight, based on the total weight of the composition, of a polyorganosiloxane, or a mixture thereof;
- b) 0.2 to 25 % by weight based on the total weight of an emulsifier, or a mixture thereof;
- c) 0.01 to 15 % by weight based on the total weight of at least one additive selected from the group consisting of a polyethylene, a fatty acid alkanolamide, a polysilicic acid and a polyurethane, and
- d) water to 100 %.

20. A tumble dryer sheet comprising a composition as defined in claim 1.

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